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Γ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	09/457,999	12/10/1999	UWE HUEBLER	P99.2413	8312	
	7:	590 10/14/2004	·	EXAMINER		
	SCHIFF, HAI	RDIN & WAITE		CHARLES, DEBRA F		
	7100 SEARS T			ART UNIT	PAPER NUMBER	
	CHICAGO, IL	. 60606-6473		3628		

DATE MAILED: 10/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		App	olication No.	Applicant(s)				
Office Assistant Communication		09/	457,999	HUEBLER ET AL.				
	Office Action Summary	Exa	miner	Art Unit	D			
			ora F. Charles	3628				
- Period for	- The MAILING DATE of this communi r Reply	cation appears	on the cover sheet with	the correspondence addr	ess			
THE N - Extension after S - If the s - If NO - Failure Any re	PRIENT STATUTORY PERIOD FOMALING DATE OF THIS COMMUNION SIONS of time may be available under the provisions of time may be easily the maximum state to reply within the set or extended period for reply exply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). unication. of days, a reply within tutory period will app will, by statute, cause	In no event, however, may a rept the statutory minimum of thirty (; ly and will expire SIX (6) MONTH the application to become ABAN	y be timely filed 30) days will be considered timely. S from the mailing date of this comr IDONED (35 U.S.C. § 133).	nunication.			
Status								
1)⊠	Responsive to communication(s) file	d on <i>02 June 2</i>	004					
·	•	b)⊠ This actio	<del></del>					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition	on of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-28 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  Claim(s) is/are allowed.  Claim(s) 1-28 is/are rejected.  Claim(s) is/are objected to.  Claim(s) is/are objected to.							
Application	on Papers							
9) 🔲 7	The specification is objected to by the	Examiner.						
10)[] 7	0) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
	·	by the Examin	er. Note the attached C	Diffice Action of John PTO	-152.			
	nder 35 U.S.C. § 119							
a)[	Acknowledgment is made of a claim f All b) Some * c) None of:  1. Certified copies of the priority of Certified copies of the priority of Copies of the certified copies of application from the Internation of the attached detailed Office action	documents hav documents hav of the priority do nal Bureau (PC	re been received. re been received in App ocuments have been re T Rule 17.2(a)).	olication No ceived in this National St	age			
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	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PT	CO-048)		nmary (PTO-413) ⁄Iail Date				
3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or Review) No(s)/Mail Date			rmal Patent Application (PTO-1	52)			

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## Response to Amendment

1. Claims 1 and 8 have been amended.

## Response to Arguments

2. Applicant's arguments filed June 2, 2004 have been fully considered but they are not persuasive in light of new grounds for rejection.

## Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1, 2, 3, 4 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al. (U.S.PAT. 5230391 A), Manduley et al. (U.S.PAT. 3890492 A), Molitor et al.(DE 3504511 A1)[translation enclosed] and Tolson(U.S.PAT. 5684275 A).

Re claim 1: Murata et al. disclose a method for controlling a dynamic scale(Abstract): said dynamic scale(Abstract) having a motor-driven conveyor for moving a postal item,

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in a dynamic operating mode(Abstract), in succession with continuous movement

through an entry region of the scale, a weighing pan(Abstract, Col. 5, Lines 60-67, Col.

7, Lines 50-67), said method comprising the steps of:

in said dynamic operating mode(Abstract), supplying a piece of mail to said entry region of the scale at a predetermined regulated conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20) which is independent of the format of the piece of mail.

Murata et al. disclose(s) the claimed invention except deactivating regulation of the conveying speed and obtaining a weight measurement of said postal item, for allowing said weight measurement to be obtained in said dynamic operating mode with said postal item moving at a speed other than said predetermined regulated conveying speed; and after said measuring time span, re-activating regulation of the conveying speed and moving said postal item at said predetermined regulated conveying speed.

However, in Abstract, and col. 3, lines 20-50, col. 4, lines 50-60, col. 5, line 50-25, thereof, Tolson disclose(s) sending weight signal to weighing device, variable speed drive motor, first variable speed drive for driving, second variable speed drive at a second selected speed, and transmitting product weight signal to signal transmitting device. Given the de-activation term is defined on page 3 of the applicant's specification as deregulation of conveying speed while something is being weighed and therefore, deactivation is the time when mail is not being forced down the conveyor; and Tolson

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further describes conveying speed that conveys an article to be weighed and stops conveying the article during the weighing process. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al. based on the teachings of Tolson. The motivation to combine these references is to get the benefit of absence of regulation of speed of the conveyor belt while an article is being weighed.

Murata et al. and Tolson disclose(s) the claimed invention except processing mixed postal

items having respectively different formats, disclose entry region of the scale, a weighing pan, and a discharge region of the scale. However, in Abstract, Col. 5, Lines 60-67, Col. 6, Lines 1-30, Col. 7, Lines 50-67, thereof, Manduley et al. disclose(s) an entry region of the scale, a weighing pan and a discharge region of the scale for processing mixed postal items having different formats. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al. and Tolson based on the teachings of Manduley et al. The

motivation to combine these references is to get the benefit of an appropriate location to receive, weight and discharge the article to be weighed.

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Murata et al. and Tolson disclose(s) the claimed invention except during a measuring time range

while said postal item is conveyed without a stoppage through said weighing pan.

However, on page 2 of the translation, claim 1, thereof Molitor et al. disclose weighed item is weighed while moving over the weighing table in a continuous movement. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al. and Tolson based on the teachings of Molitor et al. The motivation to combine these references is to

get the benefit of an appropriate location to receive, weight and discharge the article to be weighed.

Official notice is taken that on-the-fly weighing incorporating weight measurement obtained with said postal item moving at a speed other than said predetermined regulated conveying speed are an old and well-known types of technology in the postal scale and weighing instrument art. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to implement Murata et al.'s weighter conveyor system to include speed control features to get the benefit of conveyor speed

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control to ensure high weighing accuracy given that Murata et al.'s invention does indicate the conveyor stops and starts, and this is a form of conveyor speed control.

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Re claim 2: Murata et al. disclose the steps of:

maintaining said conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20) at said predetermined, regulating conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20) before a beginning of said measuring time span;

sensing when said postal item is located in said entry region of the scale(Abstract, Col. 3, Lines 15-67); and

upon sensing that said postal item has exited said entry region of the scale, supplying unregulated voltage pulses to the motor driving said conveyor during said measuring time span to operate said conveyor with a predetermined power without regulation of said conveying speed, and tensioning said conveyor to reduce said conveying speed of said postal item during said measuring time span dependent on a weight of said postal item(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20,Col. 3, Lines 15-67).

Re claim 3: Murata et al. disclose said dynamic scale is used with a further processing station having a further processing station conveying speed, and regulating said conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 15-67)

in said dynamic scale dependent on said further processing station conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 15-67) to produce an output of postal items from said dynamic scale(Abstract) which is approximately 66% of an output of postal items from said further processing station.

Re claim 4: Murata et al. disclose evaluating said weight measurement of said postal item in said dynamic operating mode(Abstract, Col. 2, Lines 60-67, Col. 3, Lines 1-67);

and dependent on the evaluation of said weight measurement, switching into a further operating mode and statically weighing said postal item(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 15-67).

Re claim 6: Murata et al. disclose further operating mode, conveying said postal item at a constant conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 15-67) through said discharge region of said scale.

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Tolson and Molitor et al. as applied to claim 4 above, and further in view of Freeman et al. (U.S.PAT. 4956782 A).

Re claim 5: Murata et al., Manduley et al., Tolson and Molitor et al. disclose(s) the claimed invention except reversing a conveying direction of said conveyor for statically weighing said postal item; and subsequently again reversing the conveying speed of said conveyor after statically weighing said postal item to convey said postal item through said discharge region of said scale. However, in Abstract, Col. 6, Lines 40-65 thereof, Freeman et al. disclose(s) a conveyer belt that goes in forward and reverse directions. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Tolson and Molitor et al. based on the teachings of Freeman et al. The motivation to combine these references is to get the benefit of moving the weighing conveyer backwards.

6. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Tolson and Molitor et al. as applied to claim 1 above, and further in view of Feinland et al. (U.S.PAT. 5226496 A).

Re claim 7: Murata et al., Manduley et al., Tolson and Molitor et al. disclose(s) the claimed invention except evaluating said weight measurement of said postal item and identifying if said weight measurement is likely to be imprecise; and if said weight measurement is likely to be imprecise, switching into a further operating mode and conveying said postal item directly through said discharge region of said scale and assigning a weight value to said postal item in place of said weight measurement, said weight value being higher than said weight measurement which is likely to be imprecise. However, in Col. 6, Lines 1-30 thereof, Feinland et al. disclose(s) analyzing weight measurement of postal item and determining if the resulting measurement may be inaccurate and then conveying postal item directly through the discharge region if weight value is higher than the inaccurate weight item. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Tolson and Molitor et al. based on the teachings of Feinland et al. The motivation to combine these references is to get the benefit of dealing effectively with imprecise weight measurements.

Official notice is taken that assigning a weight value to said postal item in place of said weight measurement is an old and well-known type of method of determining postage in the postal scale and weighing instrument art. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to assign a weight measurement to an article whose weight is unknown.

7. Claims 8, 9,10, 21, 22 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al.

Re claims 8, 9, 21 and 22: Murata et al., Manduley et al., Tolson and Molitor et al. disclose a conveyor arrangement for conveying postal items having a conveyor belt driven by a motor(Abstract);

said conveyor arrangement, in a dynamic operating mode(Abstract), conveying a postal item with continuous movement without a stoppage in succession through said entry region(Abstract), and a controller for operating said motor for moving said belt at a predetermined, regulated conveying speed(Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20,Col. 3, Lines 15-67, Fig. 4),

Murata et al., Manduley et al., Molitor et al., and Feinland et al. disclose(s) the claimed invention except deactivating regulation of said conveying speed during a measuring time span during which a weight measurement of said postal item is made, for allowing said weight measurement to be made in said dynamic mode with said postal item moving at a speed other than said predetermined, regulated conveying speed, and,

after said measuring time span, said controller re-activating regulation of said conveying speed.

However, in Abstract, and col. 3, lines 20-50, col. 4, lines 50-60, col. 5, line 50-25, thereof, Tolson disclose(s) sending weight signal to weighing device, variable speed drive motor, first variable speed drive for driving, second variable speed drive at a second selected speed, and transmitting product weight signal to signal transmitting device. Given the de-activation term is defined on page 3 of the applicant's specification as deregulation of conveying speed while something is being weighed and therefore, deactivation is the time when mail is not being forced down the conveyor; and Tolson further describes conveying speed that conveys an article to be weighed and stops conveying the article during the weighing process. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., and Feinland et al. based on the teachings of Tolson. The motivation to combine these references is to get the benefit of absence of regulation of speed of the conveyor belt while an article is being weighed.

Murata et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except entry region of the scale, a weighing pan, and a discharge region of the scale, and at an angle relative to said back wall. However, in Abstract, Fig 1a, Col. 5, Lines 60-67, Col. 6, Lines 1-30, Col. 7, Lines 50-67, thereof, Manduley et al. disclose(s) to use a

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scale housing, entry region of the scale, a weighing pan, and a discharge region of the scale. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Manduley et al. The motivation to combine these references is to get the benefit of an appropriate location to receive, weight and discharge the article to be weighed.

Murata et al., Molitor et al., Tolson and Manduley et al. disclose(s) the claimed invention except weighing cell. However, in Abstract thereof, Feinland et al. disclose(s) weighing cell. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Molitor et al., Tolson and Manduley et al. based on the teachings of Feinland et al. The motivation to combine these references is to get the benefit of using a load cell transducer to convey the weight signal.

Official notice is taken that on-the-fly weighing incorporating weight measurement to be made with said postal item moving at a speed other than said predetermined, regulated conveying speed, and, after said measuring time span, said controller(Murata et al., Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 20-35, Fig. 4) reactivating regulation of said conveying speed are an old and well-known type of technology in the postal scale and weighing instrument art, and center of gravity. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to implement Murata et al.'s weighter-conveyor system to include speed

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control features to get the benefit of conveyor speed control to ensure high weighing accuracy given that Murata et al.'s invention does indicate the conveyor stops and starts, and this is a form of conveyor speed control.

Re claim 10: Murata et al., Manduley et al. and Molitor et al. disclose a dynamic scale(Abstract) disposed below said conveyor belt(Murata et al., Abstract), a support mechanism for supporting said conveyor belt(Murata et al., Abstract) in said discharge region comprises an adapter for transferring a postal item from said discharge region to a downstream apparatus(Murata et al., Abstract, Col. 2, Lines 40-67).

Murata et al. disclose(s) the claimed invention except housing, guide wall, and discharge region. However, in Abstract, Fig 1a, Col. 5, Lines 60-67, Col. 7, Lines 20-67, thereof, Manduley et al. disclose(s) a guide wall, housing and discharge region. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al. based on the teachings of Manduley et al. The motivation to combine these references is to get the benefit of an appropriate location to receive, weigh and discharge the article to be weighed.

Re claim 26: Murata et al., Manduley et al. and Molitor et al. disclose a speed sensor mechanically connected to said motor and supplying a signal to said controller

identifying a speed of said motor for use by said controller in regulating said conveying speed(Murata et al., Abstract, Col. 1, Lines 45-67, Col. 2, Lines 1-20, Col. 3, Lines 15-67, Fig. 4).

8. Claims 11, 13,14,15, 16,17,18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. as applied to claim 8 above, and further in view of Kalm et al. (U.S.PAT. 5901830 A).

Re claims 11, 13, 14 and 15: Murata et al., Manduley et al., Molitor et al.,

Tolson and Feinland et al. disclose(s) the claimed invention except first conveying

direction and said second conveying direction, switches said transmission, and said

tensioning arrangement comprises at least one adjustable tension spring for setting

said tension. However, in Abstract, Col. 4, Lines 1-60 thereof, Kalm et al. disclose(s)

conveying first and second direction, and tensioning arrangement. It would be obvious

to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al.,

Molitor et al., Tolson and Feinland et al. based on the teachings of Kalm et al. The

motivation to combine these references is to get the benefit of controlling conveyor

belts' direction and speed, controlling the tension of the conveyor belt.

Re claim 16: Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except a tensioning arrangement comprises a

tensioning roller around which said conveyor belt is entrained, said tensioning roller being mounted on a tensioning shaft, said tensioning shaft having opposite ends each receiving a guide pin, respective helical springs wound around each guide pin, two stop plates respectively attached to said carrier plates, each guide pin having a nut screwed thereon and said stop plate being disposed between said nut and said tensioning shaft with each helical spring being compressed between one of said nuts and one of said stop plates, each helical spring being compressively pre-stressed.

However, in Abstract, Cols.1-4 thereof, Kalm et al. disclose(s) this mechanical machinery that permits adjusting the compression and tension of conveyer belt rollers. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Kalm et al. The motivation to combine these references is to get the benefit of controlling the tension of the conveyor belt.

Re claim 17: Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except guide pins are respectively received in said tensioning shaft so as not to rotate within said tensioning shaft, and further comprising, for each guide pin, a securing ring which prevents the guide pin from sliding out of said tensioning shaft. However, in Abstract, Cols.1-4 thereof, Kalm et al. disclose(s) this mechanical machinery that permits adjusting the compression and tension of conveyer belt rollers, as well as guide pins. It would be obvious to one of ordinary skill in the art to

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modify the invention of Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Kalm et al. The motivation to combine these references is to get the benefit of controlling the tension of the conveyor belt.

Re claim 18: Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except each of said carrier plates has an oblong hole therein, the respective oblong holes receiving said tensioning shaft and allowing said tensioning shaft to glide therein when said conveyor belt(Murata et al., Abstract) is tensioned by said tensioning roller. However, in Abstract, Cols.1-4 thereof, Kalm et al. disclose(s) this mechanical machinery that permits adjusting the compression and tension of conveyer belt rollers, as well as guide pins. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Kalm et al. The motivation to combine these references is to get the benefit of controlling the tension of the conveyor belt.

Re claim 19: Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except comprising a drive roller entrained by said conveyor belt and driven by said motor, said drive roller comprising a sandblasted aluminum pinion, and said conveyor belt being comprised of a low-stretch fabric having a glide coating facing said drive roller and allowing a predetermining slippage between

said drive roller and said conveyor belt dependent on a belt tension of said conveyor belt. However, in Abstract, Cols.1-4 thereof, Kalm et al. disclose(s) this mechanical machinery that permits adjusting the compression and tension of conveyer belt rollers, as well as guide pins. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Kalm et al. The motivation to combine these references is to get the benefit of controlling the tension of the conveyor belt.

9. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Tolson Feinland et al. and Kalm et al. as applied to claim 11 above, and further in view of Cordery et al. (U.S.PAT. 4903788 A).

Murata et al., Manduley et al., Molitor et al., Feinland et al., Tolson and Kalm et al. disclose(s) the claimed invention except wherein said motor comprises a DC motor operated with a voltage having a polarity, and wherein said driver switches said polarity of said voltage to switch. However, in Abstract, Col. 3, Lines 1-20, Col. 6, Lines 12-60, Col. 9, Lines 1-40 thereof, Cordery et al. disclose a motor that is a d.c. motor operating with a voltage that has a polarity, and driver switches said polarity of the voltage to switch. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Feinland et al., Tolson and Kalm et al. based on the teachings of Cordery et al. The motivation to combine these references is to get the benefit of controlling conveyor belts' direction and speed.

10. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. as applied to claim 19 above, and further in view of Braun et al. (U.S.PAT. 3955666).

Murata et al., Manduley et al., Molitor et al., Feinland et al., Flordin and Kalm et al. disclose(s) the claimed invention except wherein said glide coating is comprised of plastic. However, in Abstract, Col. 1, Lines 55-67, Col. 2, Lines 5-20, thereof Braun et al. disclose glide coating is comprised of plastic. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al. based on the teachings of Braun et al. The motivation to combine these references is to get the benefit of a smooth surface.

11. Claims 23, 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. as applied to claim 8 above, and further in view of Cordery et al. (U.S.PAT. 4903788 A).

Re claims 23 and 24: Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. disclose(s) the claimed invention except said weighing pan is comprised of flexurally and torsionally stiff lightweight material and has a back wall. However, in Abstract, Col.3, Lines 1-20, thereof Cordery et al. disclose a tray comprised of stiff lightweight material. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. based on the teachings of Cordery et al. The motivation to combine these references is to get the benefit of a specific location to hold the object to be weighed.

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Re claim 25: Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al.disclose(s) the claimed invention except wherein said back wall of said weighing pan is comprised of a one-piece sandwich structure. However, in Abstract, Col. 5, Lines 60-67, Col. 7, Lines 20-67, Fig 1a, thereof Manduley et al. a back wall of a weighing pan that is a one piece structure. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. based on the teachings of Manduley et al. The motivation to combine these references is to get the benefit of a specific location to hold the object to get the benefit of a walled in weighing structure.

12. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. as applied to claim 26 above, and further in view of Sakai et al. (U.S.PAT. 5754361).

Re claim 27: Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. disclose(s) the claimed invention except wherein said speed sensor comprises an encoder. However, in Abstract, Col. 8, Lines 60-67, Col. 9, Lines 1-15, Sakai et al. discloses a speed sensor with an encoder. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Flordin and Feinland et al. based on the teachings of Sakai et al. The motivation to combine these references is to get the benefit of controlling the speed of the conveyor belt.

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13. Claim 28 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. as applied to claim 8 above, and further in view of Cordery et al. (U.S.PAT. 4903788 A).

Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. disclose(s) the claimed invention except motor is a d.c. motor, and wherein said controller contains a regulation loop, including said d.c. motor, for regulating said conveying speed. However, in Abstract, Col. 3, Lines 1-20, Col. 6, Lines 12-60, Col. 9, Lines 1-40 thereof, Cordery et al. disclose a motor that is a d.c. motor operating with a voltage that has a polarity, and driver switches said polarity of the voltage to switch. It would be obvious to one of ordinary skill in the art to modify the invention of Murata et al., Manduley et al., Molitor et al., Tolson and Feinland et al. based on the teachings of Cordery et al. The motivation to combine these references is to get the benefit of controlling conveyor belts' direction and speed. Further, a regulation loop is an old and well-known technology in the art. It would be obvious to include a regulation loop to effectively control the conveyer's operating speed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Debra F. Charles whose telephone number is (703) 305-4718. The examiner can normally be reached on 9-5 Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung S. Sough can be reached on (703) 308-0505. The fax phone

number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Debra F. Charles Examiner Art Unit 3628

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HYUNG SOUGH
SUPERVISORY PATENT EXAMPLER
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